

KULIN, Gyorgy, dr.

Is there any possibility to use the forces of interplanetary
praces for rocket driving? Elet tud 19 no.18:831 1 My'64

1. "Elet es Tudomany" szerjeszto bizottsagi tagja.

KULIN, Gyorgy, dr.

How can we determine the existence of organic life on a satellite
by means of spectrum analysis? Elet tud 19 no. 20:919 15 My '64.

1. Editorial board member, "Elet es Tudomany."

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9

KULIN, Gyorgy, dr.

Astronomical calendar for August 1960. Term tud kozl 4
no.7;336 J1 '60.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9"

KULIN, Gyorgy, dr.

The solar system. Elet tud 20 nc, 9:396-399 5 Mr '65.

1. Editorial Board Member, "Elet es Tudomany", Budapest.

August 1974
KULIN, D'ord'ne[Kulin, Gyorgyne], doktor

What you can't see with a naked eye. Nauka i zhyttia 12 no.2:55
F '63. (MIRA 16:4)

(Electron microscopy)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9

4-22-A, 4-

"Conference on Agrometeorological Literature at the Academy." p. 317, (IDOJARAS, Vol. 57 no. 5, Sept./ Oct. 1953, Budapest, Hungary)

SO: Monthly List of East European Accessions, LC, Vol. 3, No. 5, May 1954/Unclassified

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9"

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9"

PULIN, I.

"Timely Problems of Agrometeorology", p. 153, (MEJDSZ, Vol. 5, No. 3, May/June 1954, Budapest, Hungary)

SC: Monthly List of East European Accessions (HEAL), LC, Vol. 4, No. 3, March 1955, Uncl.

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9"

KULIN, I.

Some problems of agricultural climatology. p. 257

Vol. 59, no. 5, Sept./Oct. 1955
IDOJARAS
Budapest

Source: Monthly list of East European Accessions, (EEAL), LC,
Vol. 5, no. 3, March 1956

KULIN, I.

Sessions of the Meteorologic Committee of the Academy. p. 308

Vol. 59, no. 5, Sept./Oct. 1955
IDOJARAS
Budapest

Source: Monthly list of East European Accessions, (EEAL), LC,
Vol 5, no. 3, March 1956

Guidance for climatologic surveys in the interest of a planned economy; excerpts from a candidate's thesis, p. 304, Magyar Tudomanyos Akademia, Agrartudomanyok Osztalya, KÖZLEMÉNYEI, Budapest, Vol. 9, No. 1/3, 1956

SOURCE: East European Accessions List (EEAL) Library of Congress,
Vol. 5, No. 11, November 1956

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9

KULIN, Istvan

Research work of the Agrometeorological Division in 1960.
Orsz meteor int bessz tud kut 25:246-260 (publ.'62).

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9"

KULIN, L.

A new method of treating scarlet fever, and associated problems.
Wien. klin. Wschr. 63 no.30:542-544 27 July 1951. (CLML 21:1)

l. Of the Children's Clinic of Debrecen University, Hungary
(Director -- Prof. Laszlo Kulin, M.D.)

KULIN, L.;FAZEKAS, A. NIKODEMUSZ, I.

Human toxoplasmosis. Orv. hetil. 93 no.1:20-25 6 Jan 1952. (CIML 23:2)

1. Doctors. 2. Pediatric Clinic (Director -- Prof. Dr. Lasslo Kulin)
and Pathophysiological Institute (Director -- Prof. Dr. Lorand Keszyus),
Debrecen Medical University.

KULIN, L.

Some timely and basic problems of infantile atrophy. Acta med.
hung. Suppl. 6 no.1:131-133 1954.

1. Kinderklinik der Medizinischen Universitat, Debrecen
(INFANT NUTRITION DISORDERS
marasmus)

KULIN, Laszlo, dr.; KOVÁR, Bela, dr.; LENGYEL, Ferenc, dr.; LUDMANY,
Konrad, dr.; POLYA, Imre, dr.; SZÉKELY, Katalin, dr.

Cyclic penicillin therapy of scarlet fever as a prophylaxis against
complications due to superinfection. Orv hetil 95 no.17:449-453
Ap '54. (EEAL 3:8)

1. A Debreceni Orvostudományi Egyetem Gyermekklinikájának (igazgató:
Kulin László dr. egyetemi tanár) közleménye.

(PENICILLIN, ther. use

*scarlet fever, cyclic ther. in prev. of compl.

(SCARLET FEVER, ther.

*penicillin, cyclic ther. in prev. of compl.)

EXCERPTA MEDICA Sec 7 Vol 10/11 Pediatrics Nov 56

2432. KULIN L. Univ.-Kinderklin., Debrecen, Ungarn. "Systematik der Ernährungsstörungen im Säuglingsalter. Classification of nutritional disorders in infancy Z. KINDERHEILK. 1955, 77/2 (201-207) Tables 3

The article has to be read in the original. The author is not entirely satisfied with the Finkelstein classification. He wants to accept Czerny's ideas as a basis which takes into consideration the body build. The clinical course has to be considered too. The aetiology must be studied. One does not get the impression that the classification is so different from the present conception. Tolerance, alimentary causes, infections, constitutional factors are quoted. Schick - New York, N.Y.

KULIN, Laszlo

Difficulties in nutrition of infants. Orv. hetil. 96 no.34:
929-932 21 Aug 55.

1. A Debreceni Orvostudomanyi Egyetem Gyermekklinikajank (igazgato:
Kulin Laszla dr. egyetemi tanar) koszlemenye.

(INFANT NUTRITION
difficulties)

KULIN, Laszlo, dr.

Synthesis of basic and particular processes in infantile atrophy.
Gyermekgyogyaszat 7 no.5-6:158-166 May-June 56.

1. A Debreceni Orvost. Egyetem Gyermekklin. kozl. (igaz. Kulin
Laszlo dr. egyetemi tanar)
(INFANT NUTRITION DISORDERS
metab. & physiol. processes in infantile atrophy (Hun))

KULIN, L.

Effect of temperature conditioning and of humidity of the environment on energy metabolism in athrepsia in infants.
Acta med. hun. 15 no.1:221-228 '60.

1. Clinique de Pediatrie de l'Universite Medicale de Debrecen.
(INFANT NUTRITION DISORDERS metab.)
(TEMPERATURE)
(HUMIDITY)

KULIN, Laszlo

SURNAME (in caps); Given Name(s)

(2)

Country: Hungary

Academic Degrees: Dr, Professor

Affiliation: Director (Igazgato) of the Pediatric Clinic of the
Medical University of Debrecen (A Debreceni Orvos-
tudomanyi Egyetem Gyermekklinikaja)

Source: Budapest, Orvoskeztes, Vol XXXVI, No 5, Oct 1961, pp 328-342

Data: "Theoretical and Practical Aspects of the Climatic Treatment
of Infantile Atrophy."

KULIN, L.; KISS-SZABO, A.

Effect of climatic conditions on energy metabolism in infants
with different constitutions. Acta paediat. acad. sci. Hung.
6 no.3/4:395-410 '65.

1. Department of Paediatrics, University Medical School, Debrecen,
and First Section of Paediatrics, County Council Hospital, Debrecen.
Submitted July 7, 1965.

HUNGARY

KULIN, Laszlo, KISS, SZABO, Antal; Medical University of Debrecen, Pediatric Clinic (Debreceni Orvostudomanyi Egyetem, Gyermekklinika).

"The Effect of Changing Climatic Conditions on the Development of Energy Metabolism in Infants of Different Body Structure."

Budapest, A Magyar Tudomanyos Akademia V. Orvosi Tudomanyok Osztalyanak Kozlemenyei, Vol XVII, No 2-3, 1966, pages 243-258.

Abstract: [Authors' Hungarian summary] In normal and pathological body structure (eutrophy, hypotrophy, atrophy), energy metabolism is a function of the changed environmental temperature. At normal room temperature, the heat production of atrophic infants is stabilized at a low level and is further decreased with cooling of the environment. In contrast to eutrophic infants, the atrophic ones do not increase but rather decrease their energy metabolism in response to a cold environment. The paradoxical energy metabolism is already apparent in an environment at room temperature. The authors present the opinion that heat production is decreased in infant atrophy because the room-temperature heat impulses represent an inadequate heat stimulation beyond a certain stage of atrophy of the peripheral effector organs; in response to these, the physiological effect of central heat regulation is suspended. This view is supported by the finding that, in general, there is
1/2

KULIN, S.

KULIN, S. Remarks on Mr. Fela Byorffy's notes. P. 421.

Vol. 3, No. 9, Sept. 1956

AGRICULTURE

AGRICULTURE

Budapest, Hungary

So: East European Accession, Vol. 6, No. 2, Feb. 1957

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9

KULIN, Sandor

Utilization of the mud of the Lake Balaton. Term tud kozl 6
no.9:432 S '62.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9"

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9

KULIN, Sandor, tansegvezeto foiskolai tanar (Keszthely)

Economic evaluation of the main questions of milk production.
Term tud kozl 7 no.8:363-364, 37/ Ag '63.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9"

BEL'SKIY, A., student; LILEVICH, Ya., student; KULIN, V., dotent,
nauchnyy rukovoditel'

Using asbestos cement in facing brick blocks. Sbor.nauch.trud.
politekh.inst. no.81:147-149 '59. (MIRA 13:5)
(Building blocks)
(Asbestos cement)

SOV/124-58-7-7910

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 7, p 88 (USSR)

AUTHOR: Kulin, V.I.

TITLE: Some Formulae for the Calculation of Anisotropic Plates Reinforced with Stiffening Ribs (Nekotoryye formuly po raschetu anizotropnykh plastin s rebrami zhestkosti)

PERIODICAL: Sb. nauchn. tr. Belorussk. politekhn. in-t, 1957, Nr 56,
pp 265-273

ABSTRACT: A study is made of the problem of the stability of a compressed rectangular orthotropic thin plate having two edges that are supported, the other two being reinforced with identical stiffening ribs. It is assumed that a normal load p is uniformly distributed along the two supported edges and that the ends of the stiffening ribs are being acted upon by forces specifically related to the load p , namely, that $P = p l$ (l being the rib width). To obtain a solution, the energy method is used. Setting up his expression for the deflection in the form

$$w = f(x) \sin \frac{m\pi y}{b}$$

Card 1/2

SOV/124-58-7-7910

Some Formulae for the Calculation of Anisotropic Plates (cont.)

the author ends up with a rather complicated transcendental equation for determining the critical load, but he does no more than state what the equation is; results of calculations are altogether lacking. The formula he gives for the principal shear modulus (introduced at the end of the article with no reference to source) evokes doubts.

S.G. Lekhnitskiy

1. Metal plates--Stability 2. Metal plates--Theory

Card 2/2

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9

VOINOV, A.P., professor; ZYSMAN, A.I., dotsent; KULIN, V.I.; BELYAYEV,
S.V., arkhitektor; BELSHCHIK, N.P., inzh.; VOINOV, V.A.

New designs of precast apartment houses built of spatial elements.
Sbor.nauch.trud.Bel.politekh.inst. no.81:15-60 '59.
(MIRA 13:5)

(White Russia—Apartment houses)
(Precast concrete construction)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9"

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9

KULIN, Ye.T.; SHUSHLEVICH, S.S.

Self-recording electric micromanometer for biological investigations. Vestsi AN BSSR. Ser. bial. nav. no. 4:135-137 '59.
(MIRA 13:4)
(MANOMETER) (BIOLOGICAL APPARATUS AND SUPPLIES)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9"

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9

KULIN, Ye. T., Cand Biol Sci -- (diss) "Some principles of radiational energy exchange in the metabolism of yeast cultures." Minsk, 1960. 17 pp; (Academy of Sciences Belorussian SSR, Inst of Biology); 150 copies; price not given; (KL, 24-60, 131)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9"

KULIN, Ye.T.

Effect of intercellular energy exchange on metabolism in
yeast culture. Dokl.AN BSSR 4 no.2:78-81 F '60.
(MIRA 13:6)

1. Predstavлено академиком АН БССР Д.А. Марковым.
(YEAST) (METABOLISM)

AKLIN, Ye.T.; MOROZOV, Ye.I.

Effect of decimetric radiation on physiological functions of
unicellular organisms. Dokl. AN BSSR 8 no. 1:329-331. Mys '64.
(VIRB 17:9)

I. Institut biologii AN BSSR. Predstavleniye: N.V. Turbinym.

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9

KULIN, Ye.T.

Effect of the radiation interaction of cells on intracellular
glycolytic processes. Trudy MOIP. Otd. biol. 21:196-197 '65.
(MIRA 18:6)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9"

ACC NR: AP7002822

SOURCE CODE: UR/0410/66/000/005/0071/0075

AUTHOR: Kasimenko, V. B. (Minsk); Kulin, Ye. T. (Minsk); Shushkevich, S. S. (Minsk)

ORG: none

TITLE: Capacitance transducer-micromanometer

SOURCE: Avtometriya, no. 5, 1966, 71-75

TOPIC TAGS: pressure transducer; manometer, variable capacitor, electrolytic capacitor

ABSTRACT:

A transducer designed to measure small pressures is described which converts small pressure changes into capacitance changes that can be measured electronically. The transducer (see Fig. 1) consists of a U-shaped glass tube, each of whose legs contains metallic rods coated with Plexiglas. Two cylindrical channels are formed between the walls of the tube and the rods. The channels are half-filled with a 5% solution of sodium chloride which serves as an electrolyte. The surface of the liquid is covered with a thin layer (0.1—0.3 mm) of kerosene. A stainless steel electrode, which makes contact with the electrolyte, is inserted into the bent portion of the tube. In this manner, two variable capacitors (C_1 and C_2), connected in series by the electrolyte, are formed. The fixed metallic rod serves as a fixed inner electrode, the Plexiglas layer as the insulator, and the

UDC: 681.2.083.8:531.787.6

Card 1/3

ACC NR: AP7002822

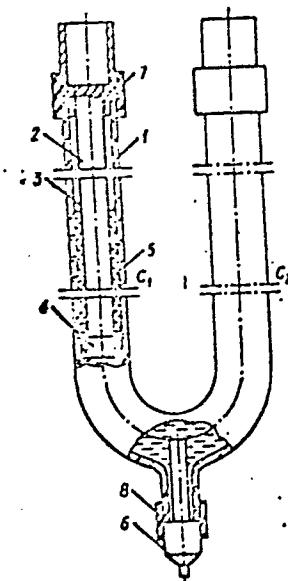


Fig. 1. Transducer structure

1 - U-shaped glass tube; 2 - metallic rods;
3 - Plexiglas layer; 4 - Plexiglas plug;
5 - electrolyte solution; 6 - output contact;
7, 8 - rubber cuffs.

Card 2/3

ACC NR: AP7002822

electrolyte, whose height varies with pressure, as the second electrode of each capacitor. The stainless steel electrode in contact with the movable capacitor electrode of both capacitors, and contacts to the ends of the two metallic rods (the inside capacitor electrodes) are used to connect the transducer to the measuring circuits. Changes in the liquid level in the arms of the glass tube caused by pressure changes are converted into capacitance changes that are measured electronically. Transducers which achieve an accuracy of about 3% and have reactive components (for each arm) of 126 kohm at 30 kc have been produced. The level of the kerosene layer on top of the working liquid can be recorded automatically. Orig. art. has: 2 figures and 2 formulas.

[WA-75] [IV]

SUB CODE: 09, 14/ SUBM DATE: 28May65/ ORIG REF: 007/ ATD PRESS: 5115

Card 3/3

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9

KULINA, I.D. (Moskva)

Studying the magnetic properties of bodies. Fiz. v shkole 23
no. 3: 87-92 My-Je '63. (MIRA 16:12)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9"

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9

KULINA, Juraj

Pavement mixture with Armit addition. Poz stavby 11 no.3:162-
163 '63.

1. Priemstav, n.p.o., Oddeleni technicke kontroly, Bratislava.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9"

KULINA, T.V., ordinotor

Amyloid tumor of the nasopharynx. Vest. oto-rin. 18 no.5:129 S-0 '56.
(MLRA 9:11)

1. Iz oto-laringologicheskogo otdeleniya Leningradskoy oblastnoy
klinicheskoy bol'nitay (Konsul'tant - prof. I.M.Rozenfel'd)
(NASOPHARYNX--TUMORS)

KULINA, T.V.

Actinomycosis of the middle ear and mastoid process. Vest.oto.-rin.
(MIRA 11:7)
20 no.4:94 Jl-Ag '58

1. Iz otolaringologicheskogo otdeleniya Leningradskoy oblastnoy
klinicheskoy bol'niatsy (konsul'tant - prof. I.M. Rozenfel'd').
(ACTINOMYCOSIS, case reports
middle ear & mastoid process (Rus))
(EAR, MIDDLE, dis.
actinomycosis (Rus))
(MASTOID, dis.
(same)

USSR/Cultivated Plants - General Problems.

M-1

Abs Jour : Ref Zhur - Biol., No 7, 1958, 29646

Author : Artemenko, P.V., Kulina, Ye.N.

Inst : -
Title : Black Fallows, an Effectual Means of Moisture Control.

Orig Pub : Byul. nauchn. inform. Stalingr. gos. s.-kh. svytn. st.,
1956, No 1, 5-7.

Abstract : No abstract.

Card 1/1

SSSR / Soil Science. Soil Genesis and Geography.

KULINA, YE/N
Abs Jour: Ref Zhur-Biol., No 7, 1958, 29441.

Author : Artemenko, P.V., Kulina, Ye. N.

Inst : Not given.

Title : Data on the Agrochemical Characteristics of Light Chestnut Solonetz Soils. (MATERIALY k agrokhim-cheskoy kharakteristike svetlokashtanovykh sol-ontsevatykh pochv).

Orig Pub: Byul. nauchn. inform. Stalingr. gos. s.-kh. opytn. st., 1956, No 1, 16-18.

Abstract: No abstract.

Card 1/1

13

ARTEMENKO, P.V., kand.sel'skokhozyaystvennykh nauk; KULINA, Ye.N.

Cultivation of bare fallows in the Southeast. Zemledelie 7
no.6:26-28 Je '59. (MIRA 12:8)

1. Stalingradskaya gosudarstvennaya sel'skokhozyaystvennaya
opytnaya stantsiya.
(Volga Valley--Fallowing)

YUGOSLAVIA/Farm Animals. Honeybees

Q-6

Abs Jour : Ref Zhur - Biol., No 11, 1958, No 50125

Author : Kulincovia, Jovan

Inst :

Title : Bees and the Fertilization Processes of Certain Apple
Trees in Methods

Orig Pub : Napr. pchelarstvo, 1957, 14, № 4, 109-112

Abstract : Bee pollination of imported Jonathan apple trees resulted in fertilization of 6.3-10.6 percent of the blooms; isolated branches were not fertilized. Bloom fertilization of trees of local origin by bees amounted to 24 percent. The largest fertilization percentage was observed in orchards which have 25 bee colonies per 1 ha. The author draws the conclusion that the usually recommended norms of 2-3 bee colonies per hectare are obviously not sufficient for successful pollinations of orchards. -- V.A. Kanzyuba

Card : 1/1

BELONOSOV, I.I.; BOBROVA, A.S.; KAS'YANENKO, G.P.; KOTIKOV, S.F.; KULINCHENKO,
A.A.; SMIRNOVA, Yu.A. Prinimal uchastiye: MAKSAKOV, V.V., prof..
KABANOV, P.I., prof., glavnyy red.; ANTRPOV, N.P., dotsent, red.;
BAZAYEV, M.G., red.; VINOGRADOV, D.I., red.; VESELKINA, A.A., red.;
SHADRINA, N.D., tekhn.red.

[Guide] Putevoditel'. No.1. 1958. 367 p. (MIRA 12:8)

1. Vsesoyuznyy tsentral'nyy sovet professional'nykh soyuzov. TSentral'-nyy arkhiv. 2. Sotrudniki TSentral'nogo arkhiva Vsesoyuznogo tsentral'nogo soveta professional'nykh soyuzov (for Belonosov, Bobrova, Kas'yannenko, Kotikov, Kulichenko, Smirnova).

(Trade unions)

KULINCHENKO, T.V.

Pharmacology of Gnaphalium uliginosum. Farm. i toks. 19 supplement:
44-45 '56. (MIRA 10:7)

1. Kafedra farmakologii (zav. - dotsent M.A.Aluf) Kazanskogo
gosudarstvennogo meditsinskogo instituta.
(PLANTS,
Gnaphalium uliginosum, pharmacol. (Rus))

ANTROPOV, N.P.; VOSKRESENSKAYA, M.A.; KIRILLOV, I.A.; KULINCHENKO,
A.A.; BATAYEVA, T.V., kand. ist. nauk, nauchn. red.;
FILATOVA, I.T., red.; ZAYTSEVA, L.A., tekhn. red.;
ANDREYEVA, L.S., tekhn.red.

[Trade unions of the U.S.S.R.; documents and materials in
four volumes, 1905-1963] Profsoiuzy SSSR; dokumenty i ma-
teriali v chetyrekh tomakh (1905-1963 gg.) Moskva, Prof-
izdat. Vol.2.[Trade unions during the period of the build-
ing of socialism in the U.S.S.R., October 1917-1937] Prof-
soiuzy v period postroeniiia sotsializma v SSSR; oktiabr'
1917 g. - 1937 g. 1963. 866 p. (MIRA 17:3)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9

KULINCHENKO, I.V.

University in the field. Zemledelie 27 no.1:27-28 Ja '65.
(MIRA 18:3)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9"

KULINCHENKO, V. V.

KULINCHENKO, V. V. -- "Hydraulics of Gravity Irrigation." Sub 10 Mar 52,
Moscow Inst of Engineers of Water Economy licen V. R. Vil'yama.
(Dissertation for the Degree of Candidate in Technical Sciences).

SO: Yechezkaya Moskva, January-December 1952

KULINCHENKO, V.F.

Dynamics of water absorption in soil [with summary in English].
Pochvededenie no.2:80-83 F '59. (MIRA 12:3)

1. Novecherkasskiy politekhnicheskiy institut.
(Soil absorption)

KULINCHENKO, V.F.

Flow depth behind the beam energy dissipator. Trudy NPI
106:59-68 '60. (MIRA 15:5)
(Hydraulic structures)

KULINCHENKO, V. F.

Simplification of the hydrometer method for measuring the flow
in a river. Trudy NPI 106:69-74 '60. (MRA 15:5)
(Stream measurements)

SHKARANDA, I.T., kand. tekhn. nauk, dotsent; KULINENKO, L.A., inzh.;
KOTOV, M.P., prof.

Utilization of chromium obtained from waste chromium liquors.
Izv. vys. ucheb. zav.; tekhn. leg. prom. no. 3:56-61 '63.
(MIRA 16:7)

1. Kiyevskiy tekhnologicheskiy institut legkoy promyshlennosti.
Rekomendovana kafedroy tekhnologii gozhi.
(Chromium) (Industrial wastes)

LITVINENKO, A.U., kand. geol.-miner. nauk, otv. red.; KNYAZEV,
G.I., kand. geol.-miner. nauk, red.; KAVCHENKO, V.M.,
inzh.-geol., red.; KULINENKO, O.R., inzh.-geolog, red.;
KHRIPKOV, A.V., kand. geol.-miner. nauk, red.; EL'YANOV,
M.D., kand. geol.-miner. nauk, red.; KOROLEVA, T.I., ved.
red.

[Problems of the geology and mineralogy of ore deposits]
Voprosy geologii i mineralogii rudnykh mestorozhdenii.
Moskva, Nedra, 1964. 188 p. (MIRA 17:12)

1. Institut mineral'nykh resursov.

KOZLOV, T.I., prepod.; KULINENKOVA, Ye.Ya., prepod.; KUROCHKINA M.I.,
prepod.; LEPLIC, V.N.; MEDVEDEV, A.A.; MOSKOV, A.A.
OVECHKIN, I.Ye.; PAVLUSHENKO, I.S.; PLYUSHKIN, S.A.;
RASHKOVSKAYA, N.B.; ROMANKOV, P.G.; FROLOV, V.F.; YABLONSKIY,
P.A.;

[Manual on practical work in the laboratory on the processes
and apparatus of chemical technology] Rukovodstvo k prakti-
cheskim zaniatiiam v laboratorii po protsessam i apparatam
khimicheskoi tekhnologii. Izd.2., ispr. i dop. Moskva,
Khimiia, 1964. 243 p. (MIRA 18:2)

GOL'DBERG, D.O.; KREYN, S.E.; AKIMOV, V.S.; ABRAMOVICH, S. Sh.; YEVDOKIMOV, O.P.;
FATKULLINA, N.S.; KULINICHEVA, M.A.

Relation between the physicochemical properties and performance
characteristics of residual oils from sulfur-bearing crudes and
the depth of phenol extraction. Trudy Bash NII NP no. 3:69-81 '60.
(MIRA 14:4)

(Lubrication and lubricants—Testing)
(Petroleum—Refining)

4012

624920014 720-6 (00) 11-993-14-3

Kubalek W. Silos Constructed from Precast Concrete Elements

"Montaż silosów z prefabrykowanych elementów betonowych". Przegląd Budowlany, No. 10, 1954, pp. 315-319, 8 figs., 1 tab.

24 silos were constructed from precast concrete circular elements. The dimensions of the elements were outer diameter = 5.91 m, height = 4.00 m, wall thickness = 0.12 m. The weight of a single unit was 14 metric tons. The units were placed on the site. Ready mixed concrete was provided from a plant. The elements were placed on a layer of plastic concrete to which a waterproofing medium was applied.

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9"

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9

KULINICH, A., agronom

Surface ensilage. Nauka i pered. op. v sel'khoz. 8 no.10:41
0 '58. (MIRA 11:11)
(Ensilage)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9"

KULINICH, A.

On the right road. Nauka i pered. op v sel'khoz. 9 no.6:10-11
Je '59. (MIRA 12:9)

1. Nachal'nik inspeksii zemledeliya Rostovskogo oblastnogo upravleniya
sel'skogo khozyaystva.
(Rostov Province--Corn (Maize))

KULINICH, A.Ya.

Significance of certain abnormalities of the aortic arch in surgery
of the esophagus and trachea. Khirurgiia, Moskva no.8:73-77 Aug 1953.
(CIML 25:4)

1. Candidate Medical Sciences. 2. Of the Department of Clinical
Anatomy and Operative Surgery (Head--Prof. B. V. Ognev, Corresponding
Member AMS USSR), Central Institute for the Advanced Training of Physi-
cians.

KULINICH, A.Ya., kandidat meditsinskikh nauk

Closed fracture of the cranial vault and base of unusual origin.
Khirurgiia no.8:70 Ag '54.

(MLRA 7:11)

(CRANIUM, fractures,
in head stand in physical educ. instructor)

(FRACTURES,
cranium, in head stand in physical educ. instructor)

KULINICH, A. Ya., Doc Med Sci -- (diss) "Basic Neurovascular
~~Hili~~ ^{syndrome} of Muscles of the Hip and Shin of Man and Its Significance
in the Clinical Picture." Mos, 1957. 23 pp (Min of Health USSR,
Central Inst for the Advanced Training of Physicians), 200 copies
(KL, 49-57, 115)

- 56 -

KULINICH, A. Ya.

USSR / Human and Animal Morphology (Normal and Pathological).
Lymphatic System.

S

Obs Jour : Ref Zhur - Biol, No 21, 1958, No 97113

Author : Kulinich, A.Ya.

Inst : Not given

Title : Lymphatic System of the Human Submaxillary Region

Orig Pub : V sb.: Vopr. cholyustno-litsovoy khirurgii i stomatol.,
M., 1957, 166-172

Abstract : It was shown in 290 cadavers of humans in the ages from premature fetuses to 70 years, that there are 3 lymphatic networks in the neck region: lymphatic vessels (LV) and nodes (LN), which are distributed in subcutaneous cellular tissue composing the superficial network, LV and LN which are situated between the first and second aponeurosis forming an intermediate network, and LV and LN which are between the second and third aponeurosis in cellular tissue, which

Cord 1/2

50

USSR / Human and Animal Morphology (Normal and Pathological).
Lymphatic System.

S

Abs Jour : Ref Zhur - Biol, No 21, 1958, No 97113

surrounds the organs of the cervical cavity forming the deep network. In the submaxillary triangle, in 59% of cases there are the anterior, posterior and inferior groups of LN, in 25% - all 5 groups of LN (by absence of submaxillary salivary gland) and in 16% - any one of the LN groups. LV from the transitory fold of the lower lip of the oral fissure depart in two lateral collectors and in one median, anastomosing between themselves. Connections between LV and LN of the studied region are also described.

Card 2/2

USSR/ Human and Animal Morphology, Normal and Pathological.
Muscles.

S-4

Abs Jour : Ref Zhur - Biol., No. 18, 1958, No 83714

Author : Kulinich, A. Ya.
Inst : Izhevsk Medical Institute
Title : Basic Neuro-Vascular Portae of the Femoral and Crural
Muscles in Man and Their Clinical Importance.

Orig Pub : Sb. tr. Izhevskogo med. in-ta, 1957, 16, 195-232

Abstract : The abductor muscles of the femur are innervated not only by the occlusive and sciatic but also by the femoral nerve. The number of arterial branches entering the muscle is significantly larger than the number of nerve branches. The points at which blood vessels and nerves enter the muscle (the "portae" of muscles), must be differentiated in accordance with the formations which pass into them. The arrangement of the neuro-vascular portae of the muscles is

Card 1/2

USSR / Human and Animal Morphology, Normal and Pathological.
Muscles.

S-4

Abs Jour : Ref Zhur - Biol., No 18, 1958, No 83714

subject to a definite regularity. Quite frequently the portae are situated in the second quarter of the muscle, a little less frequently in the first. The m. sartorius constitutes an exception. Dystrophic disorders or muscular atrophy follow lesion of the neuro-vascular fascicle of the basal portae or section of the muscle nearest to them. --
D. D. Ivanov

Card 2/2

32

KULINICH, A.Ya., prof.; ZLOBINA, V.A.

Case of a wound of the right auricle and superior vena cava.
Khirurgija 39 no.10:138 O '63. (MIRA 17:9)

1. Iz gospital'noy khirurgicheskoy kliniki (zav.-prof. A.I.
Zverev) Izhevskogo meditsinskogo instituta.

NOVAK, Grigoriy Mikhaylovich; LAPSHIN, Boris Aleksandrovich. Prinimal
uchastiye KOMLEV, Ye.A.. PALEYEV, N.M., red.; KULINICH, D.D.;
MEDCHIKOVA, A.N., tekhn.red.

[Fighting for the ship's survival] Bor'ba za zhivuchest' ko-
rablia. Izd.2., perer. Moskva, Voen.izd-vo M-va obor.~~SSSR~~,
1959. 221 p. (MIRA 13:4)
(Ships--Safety measures)

NEVSKIY, Nikolay Alekseyevich, kapitan 1 ranga. Prinimeli uchastiye:
KULINICH, D.D., inzh.-kapitan 1 ranga; RODIONOV, A.I., kontr-
admiral; OLEMEV, K.I., general-mayor aviatssi; IGNAT'YEV, N.M.,
kapitan 1 ranga; BARCHENKOV, S.A., inzh.-kapitan 1 ranga;
KRYSIN, P.F., inzh.-kapitan 1 ranga; BASOV, A.V., kapiten 2
ranga; BOSSOV, P.I., inzh.-kapitan 2 ranga; MOROZOV, K.V.,
inzh.-podpolkovnik; PUZANOV, N.P., inzh.-podpolkovnik. MEDNI-
KOVA, A.N., tekhn.red.

[The Navy] Voenno-morskoi flot. Moskva, Voen.izd-vo M-va
obor. SSSR, 1959. 328 p. (MIRA 12:6)
(Russia--Navy)

SEREGIN, Andrey Vasil'yevich; KULINICH, D.D.; red.; SRIBNIS, N.V.,
tekhn. red.

[Liquid rocket propellants] Zhidkie raketnye topliva. Moskva,
Voenizdat, 1962. 90 p. (MIRA 15:7)
(Liquid propellant rockets)

KULINICH, Daniil Danilovich; FEDOROV, R.M., red.; KUZ'MIN, I.F.,
tekhn. red.

[Fire, power, rocket; on rocket fuels] Ogon', energiya,
raketa; o reaktivnykh toplivakh. Moskva, Voenizdat, 1963.
78 p. (MIRA 16:8)
(Rockets (Aeronautics))--Fuel)

ROZHKOY, V.V.; KULINICH,D.D., red.; KALACHEV, S.G., tekhn. red.

[Solid propellant rocket engines] Raketye dvigateli tver-dogo topliva. Moskva, Voenizdat, 1963. 92 p.

(MIRA 16:8)

(Solid propellant rockets)

SAFRONOV, Yu.P.; ANDRIANOV, Yu.G.; IYEVLEV, D.S.; KULINICH, D.D.,
red.; CHAPAYEVA, R.I., tekhn. red.

[Infrared equipment in space] Infrakrasnaiia tekhnika v
kosmose. Moskva, Voenizdat, 1963. 133 p. (MIRA 17:1)

SHIMMEEV, Anatoliy Ivanovich; VASIL'YEV, I. I.;
ZHURAVLEV, V. I.; ZHUKOV, V. I.; ZHUKOV, V. I.
zhurn.-kapitan I rangas, red.; KARAKIN, V. I., zhuk.
major, red.

[Solid rocket propellants] Tverdiye raketnye topiliva. Me-
nskva, Voenizdat, 1964. 75 p. (NIIA 18:1)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9

KULINICH, D., inzh.-kapitan 1 ranga

Rocket fuel. Voen. znan. 40 no.8:33-35 Ag '64.

(MIRA 17:11)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9"

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9

ANZIN, Anatoliy Mefod'yevich; KULINICH, D.D., kapitan I ranga,
red.; KOROLEV, V.I., inzh.-moyor, red.

[The atom as an engine] Atom - dvigatel'. Moskva, Voenizdat,
1964. 76 p. (MIRA 18:2)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9"

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9

KULINICH, D., inzh.-kapitan 1 ranga

A rocket flies. Voen. Znan. 41 no.5:38-39 My '65. (MIRA 18:5)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9"

cancel
KULINICH, D. G.: Master Med Sci (diss) -- "Investigation of cobalt and vitamin B-12 in mother's milk". Dnepropetrovsk, 1958. 13 pp (Min Health Ukr SSR, Dnepropetrovsk State Med Inst), 200 copies (KL, No 5, 1959, 156)

KULINICH, F. M., CAND MED SCI, "ON THE SIGNIFICANCE OF
THE "GALVANIC PAIN TEST" IN CLINICS FOR INTERNAL DISEASES."
DONETSK, 1961. (DONETSK STATE MED INST IMENI A. M. GOR'KIY).
(KL-DV, 11-61, 228).

-265-

KULINICH, F.M., assistant

Significance of the galvanic pain test in the clinical
aspects of internal diseases. Trudy Khar' med. inst.
no.50:41-49 '62. (MIRA 19:1)

1. Kafedra fakul'tetskoy terapii lechebnoy fakul'teta
(zav. kafedroy prof. S.Ya.Shteynberg) Khar'kovskogo
meditsinskogo instituta.

ACCESSION NR: AR3000552

8/08/63/000/007/0516/0516

SOURCE: RZh. Khimiya, Abs. 7P146

AUTHOR: Mamagutov, R. M.; Sultanov, A. S.; Verfolom'yev, D. F.;
Berg, G. A.; Kulinich, O. M.; Safayev, A. S.

TITLE: Activity of Al-Co-Mo and Al-Ni-Mo catalysts in hydro-refining of diesel fuels

CITED SOURCE: Dokl. AN USSR, no. 10, 1962, 21-24

TOPIC TAGS: diesel fuels; hydro-refining; Al-Co-Mo and Al-Ni-Mo
catalysts

TRANSLATION: Data are presented on hydro-refining of diesel fuel from a mixture of Tuyuminskaya and Romanshkinskaya petroleum, over industrial Al-Co-Mo I and Al-Ni-Mo II catalysts. The experiments were conducted at total pressure of 50 atm and circulation of hydrogen-contain-

Card 1/2

ACCESSION NR: AR3000552

ing gas of 500 rated liters/liter raw material. In the first series of experiments, with a space velocity of raw material feed of 2.0 hour⁻¹, average temperature in the reactor varied from 250 to 410°; in the 2nd series the temperature was maintained at 380° and space velocity of raw material feed was 1.0-5.0 hour⁻¹. At hydro-refining temperatures up to 320° the extent of desulfurization over II increases, and in the temperature range above 350° it becomes 10% higher than the extent of desulfurization over I. Under the conditions of a hydro-refining at a temperature above 400° a decomposition of the raw material is observed. At the same time the extent of desulfurization over II, at all the investigated space velocities of raw material feed, is approximately 10% higher than over I. The data obtained show that II is more active in hydro-refining of diesel fuel to remove the S-compounds; its use makes it possible to increase space velocity of raw material feed by more than 2 times, in comparison with the results obtained over I. At the same time the product is purified from S-compounds to the extent of 65%. A. Nagatkin

DATE ACQ: 21May63

ENCL: 00

SUB CODE: 00

Card 2/2

MASAGUTOV, R.M.; BERG, G.A.; RISOV, B.Ya.; KONDARKOV, D.I.; GOLENKOVA, M.V.;
KULINICH, G.M.; SKUNDINA, L.Ya.

Using gases of hydroforming processes. Trudy BashNII NP
no.6:5-10 '63.

Using hydrogenation to purify a hydroforming product of
catalysis. Ibid.:10-14 (MIRA 17:5)

MASAGUTOV, R.M.; BERG, G.A.; KIRILLOV, T.S.; VARFOLOMEYEV, D.F.; KULINICH,
G.M.; SKUNDINA, L.Ya.

Hydrofining of diesel fuel from high sulfur-bearing crude with a
decreased consumption of hydrogen. Khim. i tekhn. topl. i mazel
8 no.12:7-12 D '63.
(MIRA 17:1)

1. Bashkirskiy nauchno-issledovatel'skiy institut po pererabotke
nefti i Ufimskiy neftepererabatyvayushchiy zavod.

ACCESSION NR: AT4043273

S/2744/64/000/007/0036/0046

AUTHOR: Masagutov, R. M., Berg, G. A., Kirillov, T. A., Varfolomeyev, D. F.,
Kulinich, G. M., Skundina, L. Ya.

TITLE: Methods for decreasing the hydrogen consumption during hydrofining of Diesel fuel
from high-sulfur petroleum

SOURCE: Ufa. Bashkirskiy nauchno-issledovatel'skiy institut po pererabotke nefti. Trudy*,
no. 7, 1964. Sernisty*ye nefti i produkty* ikh pererabotki (Sour crude oil and products of
refining), 36-46

TOPIC TAGS: petroleum, Diesel fuel, desulfurization, hydrogen consumption, hydro-
carbon, naphthenic hydrocarbon, dehydrogenation, petroleum refining, hydrofining, high
sulfur petroleum, Arlan petroleum

ABSTRACT: Since the main difficulty in the hydrofining of petroleum is supplying the re-
finery with hydrogen, the authors attempted to utilize the hydrogen liberated during the
process itself as a result of dehydrogenation of the naphthenic hydrocarbons in the raw
material. An Arlan petroleum fraction (density 0.863, sulfur content 2.58%, iodine

Card 1/3

ACCESSION NR: AT4043273

number 9.4%, sulfurization 34.7%) was used as a test sample in a closed system in which a gas containing 90% hydrogen circulated over a technical aluminum-cobalt-molybdenum catalyst. The effect of different factors, such as temperature, pressure and feed rate, on the degree of desulfurization, iodine number, hydrogen consumption and the duration of action of the catalyst was investigated. The hydrogen consumption was determined both by the variation in the composition of raw material and desulfurized product and by direct measurement. It was found that decreasing the pressure from 50 to 30 atm. and increasing the temperature from 380 to 410C during refining decreases the hydrogen consumption by 27%. Under these conditions, the technical aluminum-cobalt-molybdenum catalyst has a long life and ensures a product of good quality. Hydrofining at a pressure of 20 atm. and temperature of 410C cannot be recommended, even though this reduces the hydrogen consumption by an additional 21%, because the lifetime of the catalyst between regenerations is insufficient.. A prolonged catalytic action is made possible by lowering the temperature to 350C. At this temperature, the hydrogen consumption can be decreased by 35-50% while maintaining the extent of desulfurization at 70-80%. Orig. art. has: 12 figures and 6 tables.

Card 2/3

ACCESSION NR: AT4043273

ASSOCIATION: Bashkirsky nauchno-issledovatel'skiy institut po pererabotke nefti, Ufa
(Bashkir Scientific Research Institute for Petroleum Refining)

SUBMITTED: 00

ENCL: 00

SUB CODE: FP

NO REF SOV: 005

OTHER: 000

Card 3/3

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9

MASAGUTOV, R.M.; BERG, G.A.; VARFOLOMEYEV, D.F.; SELIVANOV, T.I.;
RIGAY, Ye.A.; MUKHAMEDOV, M.N.; KULINICH, G.M.; SOKOLOVA, V.I.;
KIRILLOV, T.S.

Hydrogenation of benzene on a nickel catalyst on kieselguhr.
(MIRA 17:9)
Trudy BashNII NP no.7:127-133 '64.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9"

ACCESSION NR: AT4043277

S/2744/64/000/007/0121/0127

AUTHORS: Masagutov, R. M., Berg, G. A., Varfolomeyev, D. P., Solivanov, T. I.,
Bugay, Ye. A., Kulinich, G. M., Sokolova, V. I., Mukhametov, M. N.

TITLE: Purification of benzene by chemisorption

SOURCE: Ufa. Bashkirskiy nauchno-issledovatel'skiy institut po pererabotke nefti.
Trudy, no. 7, 1964. Sernistyye nefti i produkty ikh pererabotki (Sour crude
oil and products of refining), 121-127

TOPIC TAGS: benzene, desulfurization, chemisorption, nickel kieselguhr catalyst,
thiophene, carbon disulfide, cyclohexane, purification

ABSTRACTS: Since neither sulfuric acid treatment nor hydrofining guarantee complete removal of sulfur from benzene, the authors investigated the chemical desulfurization of a benzene sample containing 0.08% (by weight) thiophene, 0.0102% carbon disulfide and 0.3% cyclohexane, using a commercial nickel catalyst on kieselguhr (0.93 g/cc bulk density) with 60% nickel. Desulfurization was more effective at higher temperatures than at room temperature. The high degree of purification obtained at 170-180°C may be due both to a better contact between the benzene and the catalyst and a higher diffusion rate. When benzene samples were purified at 170-180°C with the addition of hydrogen, the adsorptivity of the catalyst was increased 4.4 times as compared to the usual adsorption conditions. This
Card 1/2

ACCESSION NR: AT4043277

Important finding verified the mechanism of chemisorption and showed that the sulfur-adsorbing capacity and selectivity of the catalyst are important factors. The working "sulfur-capacity" of nickel over kieselguhr is 1.33%, for thiophenic sulfur under the following recommended experimental conditions: atm. pressure, 150-180°C, feed rate of raw material 1.0 hr⁻¹, hydrogen 10-30 vol. per vol. of benzene. The duration of action of a catalyst depends especially on its sulfur-adsorbing capacity; therefore, the purified benzene was investigated for sulfur content plotted against the time of catalysis. Sixty liters of benzene purified with 1 liter of catalyst showed no sulfur in the sample, but on further use of this same catalyst, of benzene containing 0.03% sulfur could be purified with 1 liter of catalyst. The sulfur distribution in the catalyst with height of the layer in the reactor is also shown. On the basis of the experimental data, nickel on kieselguhr is recommended as a catalyst for the desulfurization of benzene. Orig. art. has: 4 figures.

ASSOCIATION: Bashkirskiy nauchno-issledovatel'skiy Institut po nefti i gazu, Ufa (Bashkir Scientific Research Institute for Petroleum Refining)

SUBMITTED: 00

ENCL: 00

Card 2/2 SUB CODE: 06 FP NO REF SOV: 009

OTHER: 006

"APPROVED FOR RELEASE: 08/23/2000 **CIA-RDP86-00513R000927430007-9**

sulfur content

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000927430007-9"

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9

ACCESSION NR: AF5001621

has regenerated when the product was first
released by the agency.

2/2

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9"

ACCESSION NR: AP4036978

S/0065/64/000/005/0017/0022

AUTHOR: Masagutov, R. M.; Berg, G. A.; Varfolomeyev, D. F.; Selivanov T. I.; Bugay, Ye. A.; Mukhametov, N. N.; Kulinich, G. M.; Sokolova, V. I.

TITLE: Development of a process for high-purity cyclohexane

SOURCE: Khimiya i tekhnologiya topliv i masei, no. 5, 1964, 17-22

TOPIC TAGS: cyclohexane, benzene, benzene hydrogenation, catalyst, nickel on kieselguhr, benzene purification, thiophene, sulfur compound, cyclohexane production

ABSTRACT: An industrial process for cyclohexane has been developed on the basis of preliminary pilot tests. Cyclohexane of adequate purity was produced by the one-step hydrogenation of benzene (cyclohexane content, < 0.4%; thiophene content, < 0.00001%) on technical-grade nickel on kieselguhr catalyst under the following conditions: pressure 10 kg/cm² gage; space velocity of benzene feed, 0.5—0.6 hr⁻¹; maximum reactor temperature, 120—150°C; hydrogen/benzene ratio, 3000.

Card 1/3

ACCESSION NR: AP4036978

m³/m³. Catalyst activity did not drop after 15 days of continuous service. However, the degree of conversion of benzene containing 0.08% thiophene and 0.010% carbon disulfide dropped rapidly from 100 to 60%. Thus, a study was made of the possibilities for the preliminary purification of benzene to remove sulfur compounds. The study took into account data from the literature which indicate that thiophene in contact with the catalyst surface simultaneously blocks five active nickel atoms. In hydrogen the adsorbed thiophene molecule can decompose with the formation of a hydrocarbon molecule and of an S atom. The S atom combines with a nickel atom, but the hydrocarbon molecule desorbs from the catalyst surface, liberates four previously bound Ni atoms, and increases the S adsorption capacity of the catalyst. The results of the study and laboratory experiments have made it possible to develop a large-scale unit for the production of cyclohexane from benzene (containing 0.1-0.8% cyclohexene, up to 0.03% hexane, 0.02% other hydrocarbons, and 0.01-0.04% total sulfur) under the following [approximative] conditions: pressure, normal; temperature, 110 to 150°C; space velocity of benzene feed, 0.2-0.85 hr⁻¹; hydrogen/benzene molar ratio, 9.5-20. The process is conducted in

Card: 2/3

ACCESSION NR: AP4036978

two steps: purification of benzene from 5 compounds and hydrogenation on two reactors connected in series. The unit has been in operation for two years. The cyclohexane is being used for making polyethylene. Orig. art. has: 3 figures and 2 tables.

ASSOCIATION: BashNIINP; OLUNPZ

SUBMITTED: 00

DATE ACQ: 05Jun64

ENCL: 00

SUB CODE: GC

NO REF Sov: 014

OTHER: 006

3/3

Card

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927430007-9"